

## Claims

What is claimed is:

1. A system for monitoring events processed by event processing applications implemented on computer systems, the event processing monitor comprising:

an application to process a portion of an event and to write application data to a log file, the application data related to the processing of the event by the application;

a log adapter operable to communicate with the log file to obtain at least a portion of the application data;

a log agent operable to monitor a resource data related to a computer system used by the application to process at least some of the event; and

a monitor component in communication with the log adapter to obtain the portion of the application data and operable to obtain at least a portion of the resource data, the monitor component using the application data and resource data to determine event status information.

2. The system of Claim 1, wherein the log agent is operable to write the resource data to the log file.

3. The system of Claim 2, wherein the log file is further defined as a log database having a first file operable to receive the application data and a second file operable to receive the resource data.

4. The system of Claim 1, wherein the monitor component is operable to aggregate the application data to determine a current status of the event.
5. The system of Claim 1, further comprising:
  - a plurality of applications, each application processing at least a portion of one or more event and writing application data to one or more log files; and
  - a plurality of log adapters, each operable to communicate with one or more of the log files to obtain portions of the application data.
6. The system of Claim 5, wherein each application is operable on a separate computer and further comprising a plurality of log agents, each log agent operable to monitor resource data related to each computer system used by the plurality of applications to process at least some of the event.
7. The system of Claim 6, where the monitor component is further operable to communicate with the plurality of log adapters and aggregate the application data to determine status information for the one or more events.
8. The system of Claim 6, wherein the monitor component is operable to obtain and aggregate the resource data and provide a computer architecture information.
9. The system of Claim 6, wherein the monitor component is operable to obtain and aggregate the resource data and provide a computer capacity information.

10. The system of Claim 1, wherein the computer system includes one or more computers and wherein the application is operable on the one or more computers.

11. The system of Claim 1, wherein the monitor is operable to aggregate application data and the resource data to determine event status information during processing of the event by the application.

12. The system of Claim 1, wherein the application data includes a name associated with the application processing the order and one or more time stamps associated with when the application processes portions of the event.

13. The system of Claim 1, wherein resource data includes hardware statistics related to the computer system.

14. The system of Claim 13, wherein the hardware statistics are further defined as a memory parameter of the computer system.

15. The system of Claim 14, wherein the computer is Sun Microsystems computer and wherein the memory parameter is further defined as a memory page allocation by the computer system, the monitor component using the memory page allocation to determine the memory usage by the Sun Microsystems computer.

16. A system for monitoring orders processed by order processing applications implemented on computer systems, the order processing monitor comprising:

a workflow tool to manage applications processing orders;

a workflow database operable to receive, via the workflow tool, application data related to the applications processing of the orders;

an analysis tool to monitor the processing of the orders via the workflow database;

and

a graphical user interface operable to use application data received via the analysis tool, the graphical user interface illustrating a status of one or more of the orders by graphically providing indicia identifying applications processing portions of one or more of the orders.

17. The system of Claim 16, wherein the indicia is further associated with a processing status for each of the applications illustrated to identify the application currently processing a particular order.

18. The system of Claim 17, wherein the processing status of each application is associated with one of a not started status, an in progress status, a rejected status, a completed status, and a not applicable status.

19. The system of Claim 16, wherein the indicia is a diagrammatic illustration including indicia associated with a name of the application and wherein the processing status is color-coded.

20. A method for monitoring order processing by an order processing system including applications operating on computer systems, the method comprising:

processing at least a portion of the orders by one or more of the applications;

writing, by the applications, application data related to the applications processing of the orders to one or more log files;

writing to the one or more log files hardware information related to the computer systems whereon the applications process the orders; and

aggregating at least portions of the hardware information and application data to monitor the order processing.

21. The method of Claim 20, further comprising using the application data to determine a status of one or more of the orders.

22. The method of Claim 21, wherein the status of the orders includes a percentage complete of processing of the one or more orders.

23. The method of Claim 21, wherein the status of the orders includes identifying the particular application currently processing the order.

24. The method of Claim 23, wherein the status of the order includes a processing time of the one or more orders by the particular application.

25. The method of Claim 20, further comprising:
- graphically illustrating an architecture of the computer systems used by the applications to process portions of the orders;
  - selecting a component of the illustrated architecture of the computer system; and
  - displaying hardware statistics of the selected component of the computer system.
26. The method of Claim 20, further comprising providing a graphical user interface identifying each of the applications processing the orders, the graphical user interface further identifying the processing time spent by each application on the processing of the orders.
27. The method of Claim 20, further comprising providing a graphical user interface identifying each of the applications processing the orders, the graphical user interface further identifying the total orders received by each of the applications.
28. The method of Claim 20, further comprising:
- providing a first graphical user interface operable for monitoring orders;
  - providing a second graphical user interface operable for monitoring the computer systems; and
  - providing a third graphical user interface for detailing order processing totals and application processing totals;

29. The method of Claim 28, further comprising:

selecting the first graphical user interface and identifying one or more of the orders to monitor;

searching the application data for the orders identified; and

providing, via the first graphical user interface, an order report identifying the current status of an order.

30. The method of Claim 29, further comprising:

establishing an alarm threshold for an application related to processing of the orders;

notifying, via the first graphical user interface, when the alarm threshold has been exceeded.

31. The method of Claim 29, further comprising:

establishing an alarm threshold for one or more of the orders;

notifying, via the first graphical user interface, when the alarm threshold has been exceeded.

32. The method of Claim 28, further comprising:

providing an architectural components illustration of the computer system via the second graphical user interface;

selecting one of the architectural components illustrated by the second graphical user interface; and

providing, via the second graphical user interface, component details of the selected architectural component.

33. The method of Claim 31, further comprising notifying, via pager, when the alarm threshold has been exceeded.



34. A system for monitoring orders processed by order processing applications implemented on computer systems, the order processing monitor comprising:

- a workflow tool to manage applications processing orders;

- a workflow database operable to receive, via the workflow tool, application data related to the applications processing of the orders, at least a portion of the application data related to the application processing of the order maintained in a log file;

- an analysis tool to monitor the processing of the orders via the workflow database;
- and

- a log adapter operable to communicate with the log file to obtain at least a portion of the application data;

- a log agent operable to monitor a resource data related to a computer system used by the application to process at least some of the order; and

- a graphical user interface operable to use application data received via the analysis tool, the log adapter, and the log agent, the graphical user interface illustrating a status of one or more of the orders by graphically providing indicia identifying one or more of the applications processing portions of one or more of the orders and by graphically providing indicia identifying one or more of the computer systems used by the applications to process the orders.